

ORM Assessor Training

All ORM Assessment Tools

Naval Safety Center – ORM Division (Code 16)

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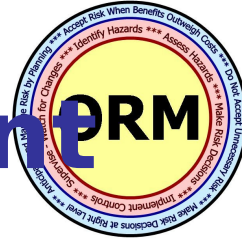
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ORM Assessment Overview

- Two types of ORM Assessment:
 - ORM Application Assessment
 - ORM Program Assessment
- Three types of grade sheets (for collecting ORM data by hand)
 - Evolution ORM Assessment Sheet (Version 2.0)
 - Tailorable Evolution ORM Assessment Sheet (Version 1.0)
 - Program ORM Assessment Sheet (2.0)
- Three types of data management programs (for inputting grade sheet data to get scores)
 - ORM Application Assessment (Version 2.0)
 - Tailorable ORM Application Assessment (Version 1.0)
 - ORM Program Assessment (Version 2.0)
- Instructions for all tools are contained in “Reference Guide for ORM Assessment Tools” on ORM Assessment website

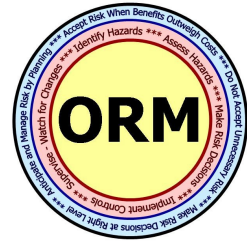


ORM Application Assessment

- 2 types of grade sheets you can use
 - Evolution ORM Assessment Sheet (Version 2.0)
 - Tailorable Evolution ORM Assessment Sheet (Version 1.0)
- 15 ORM application tasks to assess
- 4 phases of an evolution/event to assess
 - Briefing/Planning
 - Execution
 - Debriefing/Assessment
 - Lessons Learned/Best Practices Collection/Implementation
- Tailorable grade sheets and data management programs
 - Specific metrics can be added to “Amplification” column
- Grading
 - “Y” (yes), “N” (no), or “N/A” (not applicable)
 - Only grade what you can (N/A does not count against)



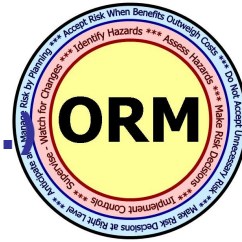
Filling out a Grade Sheet



- Fill out top of sheet with applicable information regarding who you're assessing and date/time filled out
- For non-numerical observations, fill in the appropriate "Y", "N", or "NA" bubble
- For numerical observations, write in the corresponding fraction numerator before "of" and denominator after (i.e., 3 of 4) for 3/4
- Abbreviations:
 - BP = best practice
 - ID/ID'ed = identify/identified
 - LL = lesson learned
 - RCA = risk control action
 - TCRM = time critical risk management (aka., time critical ORM)
 - WDT = what's different today



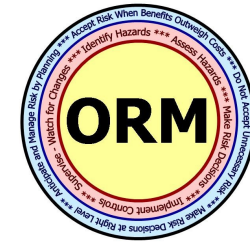
ORM Application Tasks (contd.)



1. Incorporated specific LL, BP, ORM risk assessments, or other data from previous or similar evolutions during planning in concert with Force Operating Posture.
2. Representatives from every functional area necessary to conduct the evolution were involved in planning and functional area participants attended the brief.
3. Briefed specified and implied tasks of the evolution effectively to necessary participants.
4. Briefed "critical/extreme" and "serious/high" risks to mission and force along with their risk control actions (RCAs) and RCA supervision to necessary participants.



“Critical/Extreme” & “Serious/High” Risks



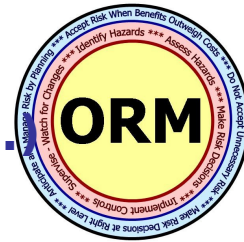
Risk Management Matrix OPNAVINST 3500.39B		P R O B A B I L I T Y				
		A	B	C	D	
		Likely	Probable	May	Unlikely	
S E V E R I T Y	I Death, Loss of Asset	1	1	2	3	
	II Severe Injury, Damage	1	2	3	4	
	III Minor Injury, Damage	2	3	4	5	
	IV Minimal Threat		4	5	5	
		1-Critical	2-Serious	3-Moderate	4-Minor	5-Negligible

		Frequent A	Likely B	Occasional C	Seldom D	Unlikely E
Catastrophic	I	E	E	H	H	M
Critical	II	E	H	H	M	L
Marginal	III	H	M	M	L	L
Negligible	IV	M	L	L	L	L

E = Extreme Risk H = High Risk M = Moderate Risk L = Low Risk



ORM Application Tasks (contd.)



5. Briefed "moderate/medium" risks to mission and force unique to the operating conditions or specific mission (i.e., "what's different today" (WDT) risks) along with their RCAs and RCA supervision to ne

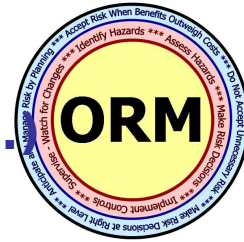
Risk Management Matrix OPNAVINST 3500.39B		P R O B A B I L I T Y			
		A	B	C	D
		Likely	Probable	May	Unlikely
S E V E R I T Y	I Death, Loss of Asset	1	1	2	3
	II Severe Injury, Damage	1	2	3	4
	III Minor Injury, Damage	2	3	4	5
	IV Minimal Threat	3	4	5	5
		1-Critical	2-Serious	3-Moderate	4-Minor

		Frequent A	Likely B	Common C	Seldom D	Unlikely E
Catastrophic	I	E	E	H	H	M
Critical	II	E	H	H	M	L
Marginal	III	H	M	M	L	L
Extremely Negligible	IV	M	L	L	L	L

E = Extremely Negligible Risk H = High Risk M = Moderate Risk L = Low Risk



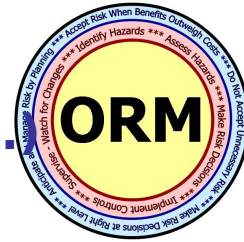
ORM Application Tasks (contd.)



6. Planned RCAs were executed, assessed, and effects communicated to supporting/ supported functional entities.
7. Time critical risk management (TCRM) applied effectively as required by participants during execution.
8. Completed specified and implied tasks (if not, why... inadequate hazard ID, RCAs, or RCA supervision).
9. RCAs and RCA supervision were effective in controlling "critical/extreme" and "serious/high" risks.
10. Participants from every functional area involved in the evolution attended the debrief.



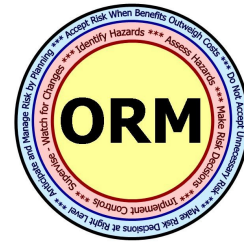
ORM Application Tasks (contd.)



11. Debriefed specified and implied tasks of the evolution effectively to necessary participants.
12. Identified the root causes of the conditions that led to risk to mission and risk to forces successes and failures (i.e., adequacy of hazard ID, RCAs, or RCA supervision).
13. Communicated actionable solutions to prevent future risk to mission and risk to forces failures for this and similar evolutions to relevant internal/external unit(s)/group(s).
14. Retained ORM risk assessment, LL, and/or BPs for this evolution in a centralized, readily accessible location at the unit/group.
15. Implemented solutions, LL, and/or BPs for this evolution both internally and externally with relevant unit(s)/group(s).



Tailored Amplification

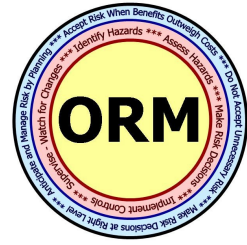


- Certain tasks can be broken down into tailored amplifying metrics
- SMEs help command's ORM Assessment Lead with amplifying metrics
 - What minimum metrics should be included when evaluating this task?
 - Needs to be periodically updated for accuracy and relevancy
- ORM Application Assessor
 - Uses the sheet to record amplifying metric observations
 - Can add additional amplification metrics if not included but should be

4	Briefed "critical/extreme" and "serious/high" risks to mission and force along with their risk control actions (RCAs) and RCA supervision to necessary participants.	Collision/Grounding/Navigation error	Y	N	NA	of
		Terrorist/enemy attack	Y	N	NA	of
		Submarine IVO vital area	Y	N	NA	of
		Non-compliant/squacking low slow flyer	Y	N	NA	of
			Y	N	NA	of
			Y	N	NA	of



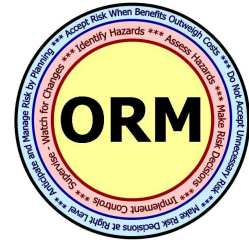
ORM Program Traits



1. Has the command XO, Chief of Staff, or Civilian equivalent been designated as the ORM Manager?
2. Is OPNAVINST 3500.39B on hand or readily available?
3. Does the command have minimum required qualified ORM Assistants (formerly ORM Instructors: 1 officer and 1 senior enlisted)?
4. Have ORM Assistant(s) trained command personnel, military and civilian, to a level commensurate with rank, experience and leadership position on ORM during the past year?
5. Has the command included ORM in orientation training?
6. Does the command document ORM training in members' training records (paper or electronic)?



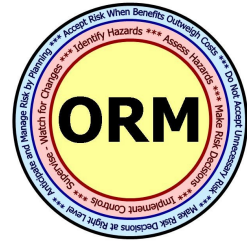
ORM Program Traits (contd.)



7. Has the command incorporated identified hazards, risk assessments and controls into briefs, notices and written plans?
8. Has the command conducted deliberate or in-depth risk assessments for new or complex operational evolutions during the past year, to include defining acceptable risk and possible contingencies (e.g., TRACS)?
9. Assess one or more evolutions using Evolution ORM Assessment Sheet (Version 2.0) for ORM process application.
10. Have any off-duty risk assessments been documented or controls implemented during the past year?
11. Does the command address the ORM process in safety, training and lessons learned reports, to include comments on hazards, risk assessments and effectiveness of controls?



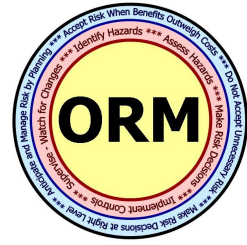
ORM Program Traits (contd.)



12. Were hazards that could not be controlled or mitigated to acceptable levels reported to appropriate higher authority during the past year?
13. Have root causes of conditions that led to command mission failures been identified and actionable solutions implemented to prevent recurrence during the past year?
14. Has the command submitted ORM "lessons learned" or "best practices" externally during the past year (e.g., CNO (N09F), Safety Gram, Hazard Reports, etc.)?



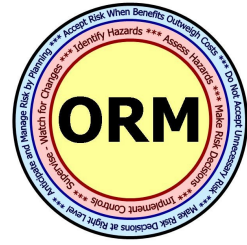
Comments



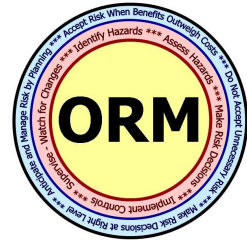
- Comments provide the qualitative feedback for the quantitative results
- Assessor “Comments” are *required* whenever “N” has been recorded for a non-numerical ORM application task or program trait or anything less than 100% has been recorded for a numerical ORM application task or program trait.
- However, assessors *should* write “Comments” whenever:
 1. It may be of importance to the watchstander(s), unit(s), warfare and/or group commander(s).
 2. It may be a best practice or lesson learned.
 3. It may provide a way ahead for how to improve (i.e., recommendation).



When Done



- Turn in Grade Sheets to designated data collection personnel and/or ORM Assessment Lead
- Grade sheet data will be entered into the applicable data management program where they will be automatically scored
- Scores will be in a % format with the following colors and metrics (which can be modified by an evaluation command):
 - T1: 85-100% (Green)
 - T2: 75-84% (Blue)
 - T3: 65-74% (Yellow)
 - T4: 0-64% (Red)
- Provide SMEs and ORM Assessment Lead feedback on the accuracy and relevancy of amplifying metrics



QUESTIONS?